

**AMENDMENTS TO THE CLAIMS**

This listing of the claims will replace all prior versions, and listings, of the claims in this application:

**Listing of Claims**

1. (Withdrawn) An arrangement for producing a blank made of powder, intended for a dental crown or other product for the human body and comprising at least one first apparatus for powder compression and at least one second apparatus with one or more elastic molds having at least one cavity for a punch and the powder used in the initial stage, here referred to as the starting powder, wherein the first apparatus comprises a machine operating by impact compaction, and wherein said mold or molds is/are arranged, when the cavity is filled with starting powder, to receive one or more impacts effected by the impaction members in the machine and, as a function of the impact or impacts, to generate an isostatic action during compression/ compaction.
2. (Withdrawn) The arrangement as claimed in claim 1, wherein the machine and the impaction members operate with a high impaction energy, namely energy (energies) in excess of 900 Nm (Newton meters).
3. (Withdrawn) The arrangement as claimed in claim 1 wherein the mold or molds have a high degree of softness, and have a Shore number in the range of 10-40.
4. (Withdrawn) The arrangement as claimed in claim 1, wherein the compacted blank, the dental crown or the product has a density of over 95%.
5. (Withdrawn) The arrangement as claimed in claim 1, wherein the mold or molds comprise or consist of silicone.

6. (Withdrawn) The arrangement as claimed in claim 1, wherein the titanium powder consists of Wah Chang HP -325 Mesh or Wah Chang CP - 325 Mesh.

7. (Withdrawn) The arrangement as claimed in claim 1, wherein the punch has a narrowed or waist-shaped portion.

8. (Withdrawn) The arrangement as claimed in claim 1, wherein the mold comprises top and bottom molds which can be applied in a recess in a die, wherein the top and bottom molds are arranged with a first space positioning of the punch, wherein at least one mold of the top and bottom molds has a second space for the powder, wherein the top and bottom molds can cooperate in said recess with upper and lower stamps or with a stamp or a support, via their end surfaces, and wherein, upon activation of the stamps against one another, or upon activation of the stamp against the support, there is a substantially uniform pressing of the powder against the outer surface of the punch.

9. (Withdrawn) The arrangement as claimed in claim 8, wherein a slide-promoting agent is applied in the recess for the top and bottom molds.

10. (Withdrawn) A device for substantially reducing or eliminating the need for sintering of a blank comprising or consisting of powder material and intended for a dental crown or other product for the human body, wherein, by means of impact compaction with a high energy per unit of time, the blank has a density of ca. 98% or higher.

11. (Currently amended) A method for producing a blank made of powder and intended for a ~~dental crown or other~~ product for the human body,
- a) producing or selecting a punch with an outer shape corresponding to the inner shape of the blank,
  - b) applying the punch ~~and~~ and a starting powder in ~~the~~ an inner space of ~~the~~ a mold of elastic material,
  - c) applying the mold with the punch and the starting powder in an impact-type compaction machine,
  - d) transferring high energy per unit of time from at least one impaction member of the impact-type compaction machine to the mold in the machine,
  - e) distributing ~~the-transmitted~~ transferred energy by means of an isostatic function which is generated by means of the mold to compress the starting powder, and
  - f) sintering the compressed powder ~~for a time of 30 minutes to 2 hours, in a sintering unit operating with or without a vacuum function.~~
12. (Withdrawn) A product in the form of a blank for a dental crown or other product for the human body, and comprising compressed powder, wherein the blank has a density of 90% or higher.
13. (Withdrawn) The product as claimed in claim 12, wherein the density is chosen in the range of 95-99.5%.
14. (Withdrawn) Use of a blank for a dental crown or other product for the human body comprising or consisting of compressed or compacted material powder, wherein an impact-type compaction machine effecting a high energy per unit of time is used for compressing compacting the powder.
15. (Withdrawn) The arrangement of claim 1, wherein the powder is a titanium powder.

16. (Withdrawn) The arrangement of claim 2, wherein the compaction energy is in the range of 1200-1800 Nm.
17. (Withdrawn) The arrangement of claim 3, wherein the mold or molds have a Shore number in the range of 15-20.
18. (Withdrawn) The use of claim 14, wherein the powder comprises a titanium powder.
19. (New) The method of claim 11, further comprising:  
demolding the compressed powder from the mold; and  
machining the compressed powder prior to use in a product for the human body.
20. (New) The method of claim 11, wherein said transferring high energy per unit of time to the mold in the machine comprises delivering at least one impact upon the mold with the at least one impaction member of the machine.
21. (New) The method of claim 20, wherein the at least one impaction member delivers a high impaction energy in excess of 900 Nm (Newton meters) to the mold upon said delivering at least one impact.
22. (New) The method of claim 11, wherein the mold in which the punch and the starting powder are applied is configured to have a degree of softness defined by a Shore number in the range of 10-40.
23. (New) The method of claim 11, wherein the mold in which the punch and the starting powder are applied comprises silicone.
24. (New) The method of claim 11, wherein the mold applied to the impact-type compaction machine comprises a top portion and a bottom portion configured to be assembled together and applied to a recess in a die.

25. (New) The method of claim 11, wherein said distributing said transferred energy to compress the starting powder is configured to provide a compressed starting powder density of 90% or higher.
26. (New) The method of claim 11, wherein said distributing said transferred energy to compress the starting powder is configured to provide a compressed starting powder density of 95%-99.5%.
27. (New) The method of claim 11, wherein the starting powder applied in the inner space comprises one of at least Wah Chang HP -325 Mesh and Wah Chang CP -325 Mesh.
28. (New) The method of claim 11, wherein said sintering is performed in a sintering unit for a duration of 30 minutes to 2 hours, operating with or without a vacuum function.
29. (New) The method of claim 11 wherein the product for the human body is a dental crown.
30. (New) The method of claim 19 wherein the product for the human body is a dental crown.
31. (New) The method of claim 24 which further comprises applying a slide-promoting agent in the recess for the top portion and bottom portion.
32. (New) The method of claim 11 wherein the punch has a narrowed or waist-shaped portion.